

ABSTRACT

A surgical stapler which includes or onto which a tool assembly can be mounted for deforming a plurality of surgical fasteners through and fastening tissue includes a housing having a fixed handle and a clamping handle mountable to the housing. The clamping handle is selectively movable relative to the fixed handle from a first position in spaced relation relative to the fixed handle to a second position closer to the fixed handle to actuate the clamping of tissue. An adapter yoke is included which translates within the housing upon actuation of the clamping handle. The adapter yoke mechanically cooperates with a lead screw to actuate the tool assembly to clamp tissue. A drive assembly is also included for rotating a shaft which mechanically engages the lead screw. Upon selective activation of the drive assembly, the shaft rotates the lead screw to advance a roll nut and force a firing piston into the tool assembly to deform the surgical fasteners through and fasten the tissue.